



**Supplementary Figure 2: Flow cytometry gating strategy and representative plots of intracellular cytokine stain (ICS) data. A)** Gating strategies for subjects 350-013 at day 78 and for 350-065. The red circle highlights the significantly diminished CD8<sup>+</sup> T cell population in 350-013 when compared to 350-065 and shows the population analyzed in the presented ICS analysis. Representative flow cytometry plots evaluating unstimulated negative control, positive control PMA/Ionomycin stimulated sample, N/M peptide pool stimulated sample, S1 peptide pool stimulated sample, and S2 peptide pool stimulated samples gated on the CD8<sup>+</sup> T cell population. The analysis was performed in FlowJo using a Boolean gating strategy quantifying all combinations of tumor necrosis factor-alpha (TNF-alpha), interferon gamma (IFN gamma) and interleukin-2 (IL-2) positive cells in the CD8<sup>+</sup> T cell population, but representative IFN gamma and IL-2 gates are shown. **B)** Analysis of the data demonstrating similar results between stimulation index and analysis using a strategy that subtracts the total frequency of cytokine-expressing cells from the background unstimulated experimental condition.